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ABSTRACT

The invention is directed to designs for capacitors of implantable medical devices (IMDs) such as implantable defibrillators, implantable cardioverter-defibrillators, implantable pacemaker-cardioverter-defibrillators, and the like. The capacitor designs can reduce capacitor volume significantly and may also improve charge holding capacity relative to conventional capacitor designs. Moreover, since capacitors typically comprise a significant portion of the volume of an IMD, significant reductions in capacitor volume can likewise significantly reduce the size of the IMD.